

HYBOSORUS ILLIGERI REICHE, 1853
(INSECTA, COLEOPTERA):
PROPOSED CONSERVATION BY USE OF THE
PLENARY POWERS. Z.N.(S.)2296

By P.G. Allsopp (*Queensland Department of Primary
Industries, Toowoomba, 4350, Australia*)

Abstract.— *Hybosorus laportei* Westwood, 1845; *H. thoracicus* Westwood, 1845; *H. roei* Westwood, 1845; *H. pinguis* Westwood, 1845; and *H. carolinus* Le Conte, 1847, all predate and have been synonymized with *H. illigeri* Reiche, 1853. *H. illigeri* can be conserved by giving it precedence over the above five names.

In 1803 Illiger (*Magazin für Insektenkunde* vol. 2, p. 210) described *Scarabaeus arator*, the neotype of which is in the collection of the Entomological Institute of the University of Lund, Sweden (Landin, 1964, *Opusc. ent.* vol. 29, p. 136). Macleay (1819, *Horae entomol.*, p. 120) subsequently erected the genus *Hybosorus* for this species. However, as Reiche (1853, *Annls. ent. Soc. Fr.* (3) vol. 1, p. 87) realized, *arator* Illiger is a junior primary homonym of *Scarabaeus arator* Fabricius, 1775. Reiche proposed the new name *Hybosorus illigeri*.

2. At the same time, Reiche synonymized *laportei* Westwood, 1845 (*Ann. Mag. nat. Hist.* ser. 1, vol. 15, p. 440) and *thoracicus* Westwood, 1845, p. 440 with *illigeri*. Hence the new name *illigeri* was unwarranted and either *laportei* or *thoracicus* should have been used as a replacement for *arator* Illiger. The problem is further confounded as *roei* Westwood, 1845, p. 440, synonymized by Arrow, 1912 (*Coleopt. Cat.* vol. 43, p. 36); *pinguis* Westwood, 1845, p. 440, synonymized by Endrödi, 1957 (*Explor. Parc. natn. Upemba Miss. G.F. de Witte* vol. 46, p. 45) and *carolinus* Le Conte, 1847 (*J. Acad. nat. Sci. Phil.* vol. 1 (1), p. 84), synonymized by Le Conte, 1862 (*Smithson, misc. Collns* vol. 3, p. 127) all predate and have been synonymized with *illigeri*.

3. The species has been known as 'arator' or 'illigeri' since 1853 (*arator* must be rejected as a junior primary homonym of *arator* Fabricius). In accordance with Article 79(b) of the Code, the following are a selection of 'at least 5 different authors and in at least 10 different publications' in which *illigeri* has been used during the past 50 years:

- Cartwright, O.L. 1934, *Entomol. News*, vol. 45, p. 239
Paulian, R. 1937, *Bull. Acad. malgache* n.s. vol. 19, p. 139
——— 1944, *Explor. Parc natn. Albert Miss. G.F. de Witte*
(1933–1935) vol. 46, p.4

- Loding, H.P. 1945, *Monogr. geol. Surv. Alabama*, vol. 11, p. 100
Panin, S. 1957, *Fauna Repub. pop. rom., Insecta* vol. 10(4), p. 216
Landin, B.O. 1964, *Opusc. entomol.* vol. 29, p. 117
Ritcher, P.O. 1966, *Ore. St. Monogr. Stud. Entomol.* vol. 4, p. 37
Arnett, R.H. 1968, *The Beetles of the United States*, p. 415
Howden, H.F. 1970, *Can. Entomol.* vol. 102, p. 2
Woodruff, R.E. 1973, *Arthropods of Florida and neighboring land areas* vol. 8(1), p. 145.

None of the other names have been used since their synonymization with *illigeri*.

4. The International Commission on Zoological Nomenclature is therefore asked:

- (1) to use its plenary powers to rule that the specific name *illigeri*, as published in the combination *Hybosorus illigeri* Reiche, 1853, is to be given nomenclatural precedence over the following specific names whenever any of them is considered a synonym of it: *laportei* Westwood, 1845; *thoracicus* Westwood, 1845; *roei* Westwood, 1845; *pinguis* Westwood, 1845 and *carolinus* Le Conte, 1847, all published in binomina with *Hybosorus*.
- (2) to place on the Official List of Specific Names in Zoology:
 - (a) the specific name *illigeri* Reiche, 1853, as published in the binomen *Hybosorus illigeri*, with an endorsement that it is to be given precedence over *laportei* Westwood, 1845, *thoracicus* Westwood, 1845, *roei* Westwood, 1845, *pinguis* Westwood, 1845 and *carolinus* Le Conte, 1847, all published in binomina with *Hybosorus*, Macleay, 1819, whenever it is considered a synonym of any of them;
 - (b) the specific names (i) *laportei* Westwood, 1845, (ii) *thoracicus* Westwood, 1845, (iii) *roei* Westwood, 1845, (iv) *pinguis* Westwood, 1845, and (v) *carolinus* Le Conte, 1847, all as published in binomina with *Hybosorus* Macleay, 1819, with endorsements that none of them is to be given priority over *illigeri* Reiche, 1853 when considered a synonym of it.